

Abstract:

A method and apparatus are provided for transmitting an optical communications signal. The method includes the steps of disposing a plurality of optical gratings on a surface of an optically transparent substrate, disposing an optical array having a plurality of optical ports adjacent the optically transparent substrate such that an axis of transmission of the optical array passes directly through the substrate, and transmitting a plurality of optical signals of the optical array substantially through the plurality of optical gratings in the substrate.

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